

**SA 1804.** Mrs. FEINSTEIN (for herself and Mr. PADILLA) submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

**SEC. \_\_\_\_ . ROLE OF THE COMMISSIONER AND INTERNATIONAL AGREEMENTS.**

(a) DEFINITIONS.—In this section:

(1) ADMINISTRATOR.—The term “Administrator” means the Administrator of the Environmental Protection Agency.

(2) COMMISSIONER.—The term “Commissioner” means the Commissioner of the United States Section of the International Boundary and Water Commission.

(3) NEW RIVER.—The term “New River” means the river that starts in Mexicali, Mexico, flows north into the United States through Calexico, passes through the Imperial Valley, and drains into the Salton Sea.

(4) SECRETARY.—The term “Secretary” means the Secretary of State.

(5) TIJUANA RIVER.—The term “Tijuana River” means the river that rises in the Sierra de Juarez in Mexico, flows through the City of Tijuana and then north into the United States, passes through the Tijuana River estuary, and drains into the Pacific Ocean.

(b) WASTEWATER AND STORMWATER AUTHORITY.—The Commissioner may study, design, construct, operate, and maintain projects to manage, improve, and protect the quality of wastewater, stormwater runoff, and other untreated flows in the Tijuana River watershed and the New River watershed.

(c) TIJUANA AND NEW RIVER PROJECTS WITHIN THE UNITED STATES.—The Secretary, acting through the Commissioner, shall—

(1) construct, operate, and maintain projects that—

(A) are on a priority list developed by the Environmental Protection Agency for projects in the Tijuana River watershed or New River watershed;

(B) are within the United States; and

(C) improve the water quality of the Tijuana River watershed or the New River watershed, as applicable; and

(2) use available funds, including funds received from the Administrator, to construct, operate, and maintain the projects described in paragraph (1).

(d) AGREEMENTS WITH MEXICO.—The Secretary, acting through the Commissioner, may execute an agreement with the appropriate official or officials of the Government of Mexico for—

(1) the joint study and design of stormwater control and water quality projects; and

(2) on approval of the necessary plans and specifications of the projects described in paragraph (1), the construction, operation, and maintenance of those projects by the United States and Mexico, in accordance with the treaty relating to the utilization of the waters of the Colorado and Tijuana Rivers, and of the Rio Grande (Rio Bravo) from Fort Quitman, Texas, to the Gulf of Mexico, and supplementary protocol, signed at Washington February 3, 1944 (59 Stat. 1219), between the United States and Mexico.

(e) SAVINGS PROVISION.—Nothing in this section limits the authority of the International Boundary and Water Commission any other provision of law.

**SA 1805.** Mrs. FEINSTEIN (for herself and Mr. PADILLA) submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

**SEC. \_\_\_\_ . UNITED STATES-MEXICO BORDER WATERS.**

(a) DEFINITIONS.—In this section:

(1) ADMINISTRATOR.—The term “Administrator” means the Administrator of the Environmental Protection Agency.

(2) COMMISSIONER.—The term “Commissioner” means the Commissioner of the United States Section of the International Boundary and Water Commission.

(3) ELIGIBLE ENTITY.—The term “eligible entity” means the United States Section of the International Boundary and Water Commission, a State, a local government, an Indian Tribe, or a water or wastewater district with jurisdiction over any area in the United States or Mexico that is located within 100 kilometers of the United States-Mexico border.

(4) ELIGIBLE PROJECT.—

(A) IN GENERAL.—The term “eligible project” means a project for the construction of infrastructure for drinking water treatment or distribution, wastewater management, or stormwater management, including natural and green infrastructure and infrastructure for water reuse and water recycling, that—

(i) addresses an existing human health or ecological issue;

(ii) has an effect in the United States;

(iii) with respect to wastewater management infrastructure the water discharged from which will flow, directly or indirectly, into the United States, is designed to meet, to the maximum extent practicable, all relevant water quality standards of the country in which the project is located, including, for projects located in the United States, any applicable standards established under the Federal Water Pollution Control Act (33 U.S.C. 1251 et seq.);

(iv) is proposed by an eligible entity with legal authority—

(I) to develop the project;

(II) to provide the proposed drinking water or wastewater services; and

(III) to obtain necessary financing, including operations and maintenance funding;

(v) will comply with relevant State and local environmental and other laws (including regulations), including with respect to—

(I) obtaining any necessary operating permits and licenses; and

(II) complying with any other regulatory requirements related to land acquisition and rights-of-way; and

(vi) has the support of appropriate Mexican Federal and State agencies, including the Comision Nacional de Agua (commonly known as “CONAGUA” or the Mexican National Water Commission) and any appro-

priate State or municipal water utility, if the project is located in Mexico.

(B) EXCLUSIONS.—The term “eligible project” does not include a project—

(i) for new water supply;

(ii) that threatens an ecosystem located in the United States, or that is located in both the United States and Mexico, if the project causes a reduction in the flow of water; or

(iii) to provide drinking water, wastewater, or stormwater services to enable new development.

(5) NEW RIVER.—The term “New River” means the river that starts in Mexicali, Mexico, flows north into the United States through Calexico, passes through the Imperial Valley, and drains into the Salton Sea.

(6) PROGRAM.—The term “program” means the program established under subsection (b)(1).

(7) SECRETARY.—The term “Secretary” means the Secretary of State.

(8) TIJUANA RIVER.—The term “Tijuana River” means the river that rises in the Sierra de Juarez in Mexico, flows through the City of Tijuana and then north into the United States, passes through the Tijuana River estuary, and drains into the Pacific Ocean.

(b) UNITED STATES-MEXICO BORDER WATER INFRASTRUCTURE PROGRAM.—

(1) ESTABLISHMENT.—The Administrator shall carry out a program to provide assistance to eligible entities for activities related to eligible projects, including feasibility studies, planning studies, environmental assessments, financial analyses, community participation efforts, and architectural, engineering, planning, design, construction, and operations and maintenance activities.

(2) CONSULTATION.—In carrying out the program, the Administrator shall consult with the North American Development Bank.

(3) COORDINATION.—In carrying out the program, the Administrator shall coordinate with Federal, State, local, and Tribal entities in the border region, including the Department of Homeland Security, the International Boundary and Water Commission, and relevant State agencies.

(4) PROJECT SELECTION.—

(A) IN GENERAL.—In selecting projects for which to provide assistance under the program, the Administrator shall select projects in accordance with—

(i) subparagraph (B); and

(ii) any other criteria determined appropriate by the Administrator.

(B) PRIORITIZATION.—In carrying out subparagraph (A), the Administrator shall prioritize projects that—

(i) are identified in a plan developed by the Administrator for projects to be carried out in the Tijuana River or New River; or

(ii)(I) are likely to have the greatest positive effects relating to the environment and public health;

(II) will result in benefits on the United States side of the United States-Mexico border;

(III) address the most urgent public health and environmental needs, as determined by the heads of the Regional offices for Regions 6 and 9 of the Environmental Protection Agency; and

(IV) maximize sustainable practices, such as water reuse and water recycling, natural and green infrastructure, water efficiency, and conservation.

(5) TERMS AND CONDITIONS.—The Administrator may establish such terms and conditions on assistance provided under the program as the Administrator determines appropriate.

(6) COST SHARE.—The Administrator may establish a Federal share requirement for any project carried out using any assistance

proved under this section on an individual project basis.

(7) **REGIONAL ALLOCATIONS.**—The amounts made available to carry out this section shall be made available in equal amounts for use by the Regional offices for Regions 6 and 9 of the Environmental Protection Agency.

(c) **ROLE OF THE COMMISSIONER AND INTERNATIONAL AGREEMENTS.**—

(1) **WASTEWATER AND STORMWATER AUTHORITY.**—The Commissioner may study, design, construct, operate, and maintain projects to manage, improve, and protect the quality of wastewater, stormwater runoff, and other untreated flows in the Tijuana River watershed and the New River watershed.

(2) **TIJUANA AND NEW RIVER PROJECTS WITHIN THE UNITED STATES.**—The Secretary, acting through the Commissioner, shall—

(A) construct, operate, and maintain projects that—

(i) are on a priority list developed by the Environmental Protection Agency for projects in the Tijuana River watershed or New River watershed;

(ii) are within the United States; and

(iii) improve the water quality of the Tijuana River watershed or the New River watershed, as applicable; and

(B) use available funds, including funds received under this section, to construct, operate, and maintain the projects described in subparagraph (A).

(3) **AGREEMENTS WITH MEXICO.**—The Secretary, acting through the Commissioner, may execute an agreement with the appropriate official or officials of the Government of Mexico for—

(A) the joint study and design of stormwater control and water quality projects; and

(B) on approval of the necessary plans and specifications of the projects described in subparagraph (A), the construction, operation, and maintenance of those projects by the United States and Mexico, in accordance with the treaty relating to the utilization of the waters of the Colorado and Tijuana Rivers, and of the Rio Grande (Rio Bravo) from Fort Quitman, Texas, to the Gulf of Mexico, and supplementary protocol, signed at Washington February 3, 1944 (59 Stat. 1219), between the United States and Mexico.

(4) **FUNDING.**—A project located wholly or partially within Mexico shall be eligible for funding under the program if the project is—

(A) identified under and consistent with the results of the study under paragraph (3)(A); and

(B) approved pursuant to paragraph (3)(B).

(5) **SAVINGS PROVISION.**—Nothing in this subsection limits the authority of the International Boundary and Water Commission under this section or any other provision of law.

**SA 1806.** Mrs. FEINSTEIN submitted an amendment intended to be proposed by her to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

**SEC. \_\_\_\_ . INTERNATIONAL ETHICAL STANDARDS IN GENOME EDITING RESEARCH.**

(a) **SENSE OF CONGRESS.**—It is the sense of Congress that the Secretary of State, in con-

sultation with relevant Federal agencies, should work with other nations and international organizations, including the United Nations and the World Health Organization, to carefully evaluate the distinct medical, ethical, and societal issues raised by the prospect of heritable human genome editing through democratic public discussion, with the goal of forging international consensus, while supporting the medical potential of somatic genome editing.

(b) **GAO REPORT.**—Not later than 1 year after the date of the enactment of this Act, the Comptroller General of the United States shall submit to Congress, and post on a publicly accessible website of the Government Accountability Office, a report containing recommendations for—

(1) achieving widespread societal engagement on heritable human genome editing; and

(2) addressing current gaps in national and international systems for governing activities related to such issue.

**SA 1807.** Mr. SCHATZ submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

Strike subsection (a) of section 2104 and insert the following:

(a) **UNIVERSITY TECHNOLOGY CENTER PROGRAM.**—

(1) **IN GENERAL.**—From amounts made available to the Directorate, the Director shall establish a program in the Directorate to make awards, through a competitive selection process, to eligible entities to establish university technology centers.

(2) **PURPOSE.**—The purpose of the university technology centers shall be to—

(A) conduct multi-disciplinary, collaborative basic and applied research, relevant to at least one of the key technology focus areas;

(B) leverage the expertise of multi-disciplinary and multi-sector partners, including partners from private industry;

(C) further the development, deployment, and commercialization of innovations, including inventions, in the key technology focus areas, including those derived from the activities of the university technology center;

(D) support the development of scientific, innovation, entrepreneurial, and educational capacity within the region of the university technology center; and

(E) support graduate students and postdoctoral researchers with training and professional mentoring towards their future employment in STEM fields.

(3) **USE OF FUNDS.**—University technology centers established under this subsection may use support provided—

(A) to carry out research to advance innovation in the key technology focus areas;

(B) for technology development activities such as proof-of-concept development, prototyping, design modification, experimental development, and other actions to reduce the cost, time, and risk of commercializing new technologies;

(C) for the costs of equipment and cyber infrastructure;

(D) for the costs associated with technology transfer and commercialization, including patenting and licensing;

(E) for operations and staff; or

(F) for trainee development pilot programs, as described in paragraph (8).

(4) **SELECTION PROCESS.**—In selecting recipients under this subsection, the Director shall consider, in addition to the scientific and technical merit of the proposal—

(A) maximizing regional and geographic diversity of the university technology centers, including by considering rural-serving institutions of higher education (as defined in section 861(b) of the Higher Education Act of 1965 (20 U.S.C. 1161a(b)));

(B) the extent to which the applicant's proposal would broaden participation by populations underrepresented in STEM;

(C) the capacity of the applicant to engage industry, labor, and other appropriate organizations and, where applicable, contribute to growth in domestic manufacturing capacity and job creation;

(D) in the case of a consortium, the extent to which the proposal includes institutions listed in paragraph (7)(C)(ii);

(E) the amount of funds from industry organizations described in paragraph (5)(A)(ii) the applicant would use towards establishing the university technology center;

(F) the plan and capability of the applicant to take measures to prevent the inappropriate use of the research and technology of the center, including research results, data, and intellectual property, as appropriate and consistent with the requirements of the relevant award; and

(G) the plan and capability of the applicant to support proof-of-concept development and prototyping as well as technology transfer and commercialization activities.

(5) **REQUIREMENTS.**—

(A) **IN GENERAL.**—The Director shall ensure that any eligible entity receiving an award under this subsection has—

(i) the capacity or the ability to acquire the capacity to advance the purposes described in section 2102(b); and

(ii) secured contributions for establishing the university technology center under this subsection from industry or other non-Federal organizations in an amount not less than 10 percent of the total amount of the award the eligible entity would receive under this subsection.

(B) **CONSORTIUM ELIGIBILITY.**—To be eligible to receive an award for the establishment and operation of a university technology center, a consortium shall be composed of not fewer than 2 entities as described in paragraph (7)(C) and operate subject to a binding agreement, entered into by each member of the consortium, that documents—

(i) the proposed partnership agreement, including the governance and management structure of the university technology center;

(ii) measures the consortium will undertake to enable cost-effective implementation of activities under paragraph (3);

(iii) a proposed budget, including financial contributions from non-Federal sources; and

(iv) the plan for ownership and use of any intellectual property developed by the center.

(6) **SUPPORT OF REGIONAL TECHNOLOGY HUBS.**—Each university technology center established under this subsection may support and participate in, as appropriate, the activities of any regional technology hub designated under section 28 of the Stevenson-Wydler Technology Innovation Act of 1980 (15 U.S.C. 3701 et seq.), as amended by section 2401 of this Act.

(7) **ELIGIBLE ENTITY.**—In this subsection, the term “eligible entity” means—